

This page shows the frequency of the top 6 "L2" lineages, across recent months.

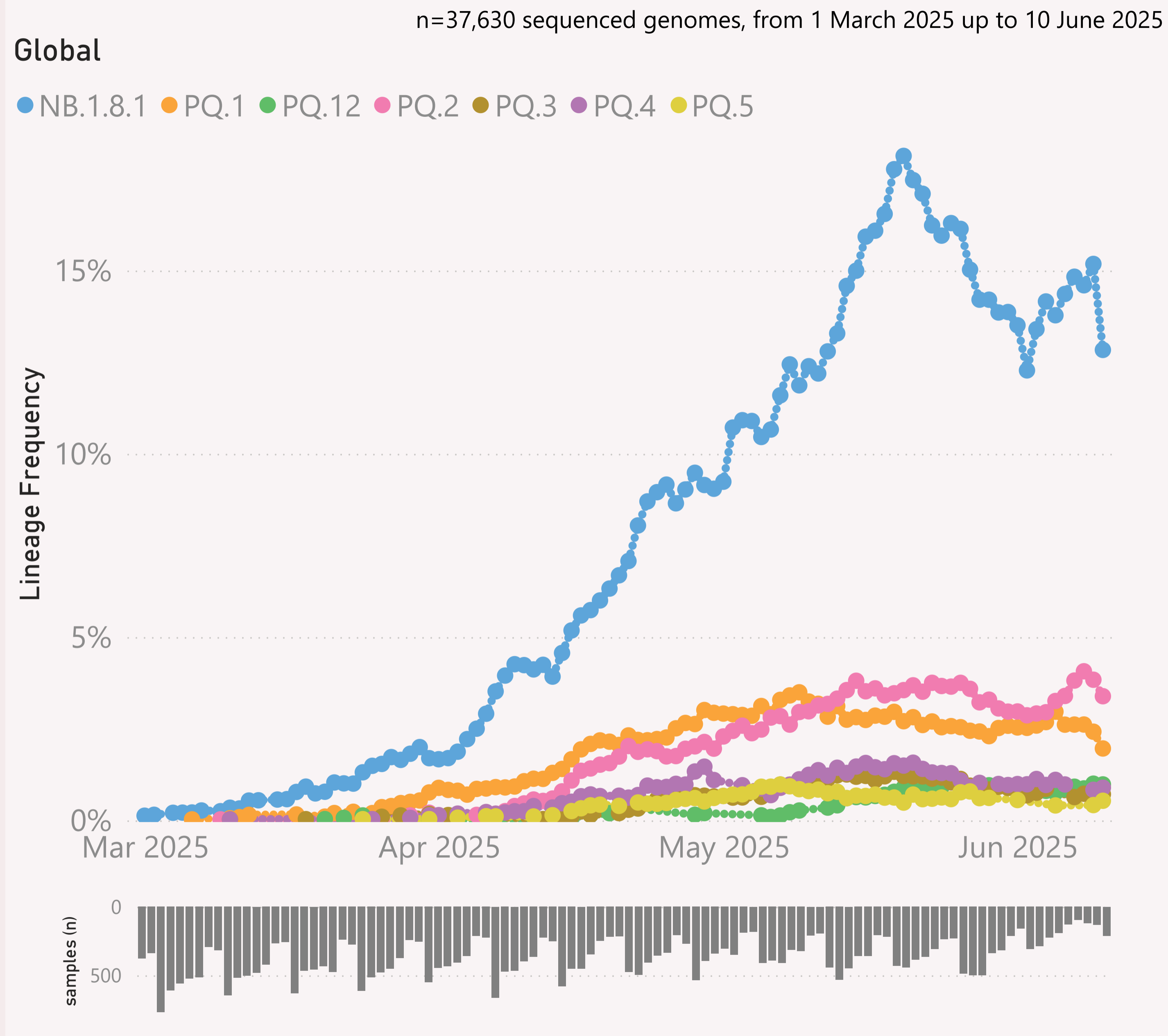
The detailed Lineage classifications are provided by Nextclade. I roll those up into "L2" groups, which roughly follow the WHO Variant definitions. For example, my "BA.2.86.*" group includes BA.2.86 and all it's descendants, e.g. the JN.* lineages.

The detailed Lineage classifications are quite numerous and dynamic, so the "Lineage L2" groups give a simpler and more stable basis for analysis and comparison.

The frequency shown at each point is based on the 7-day rolling average across all lineages.

The grey column chart across the bottom shows the volume of sequences available by date. As there can be long sample and data processing times, it is quite routine for recent dates to show lower sample sizes.

The frequency results calculated for the most recent dates might not be representative, due to those lower sample sizes.



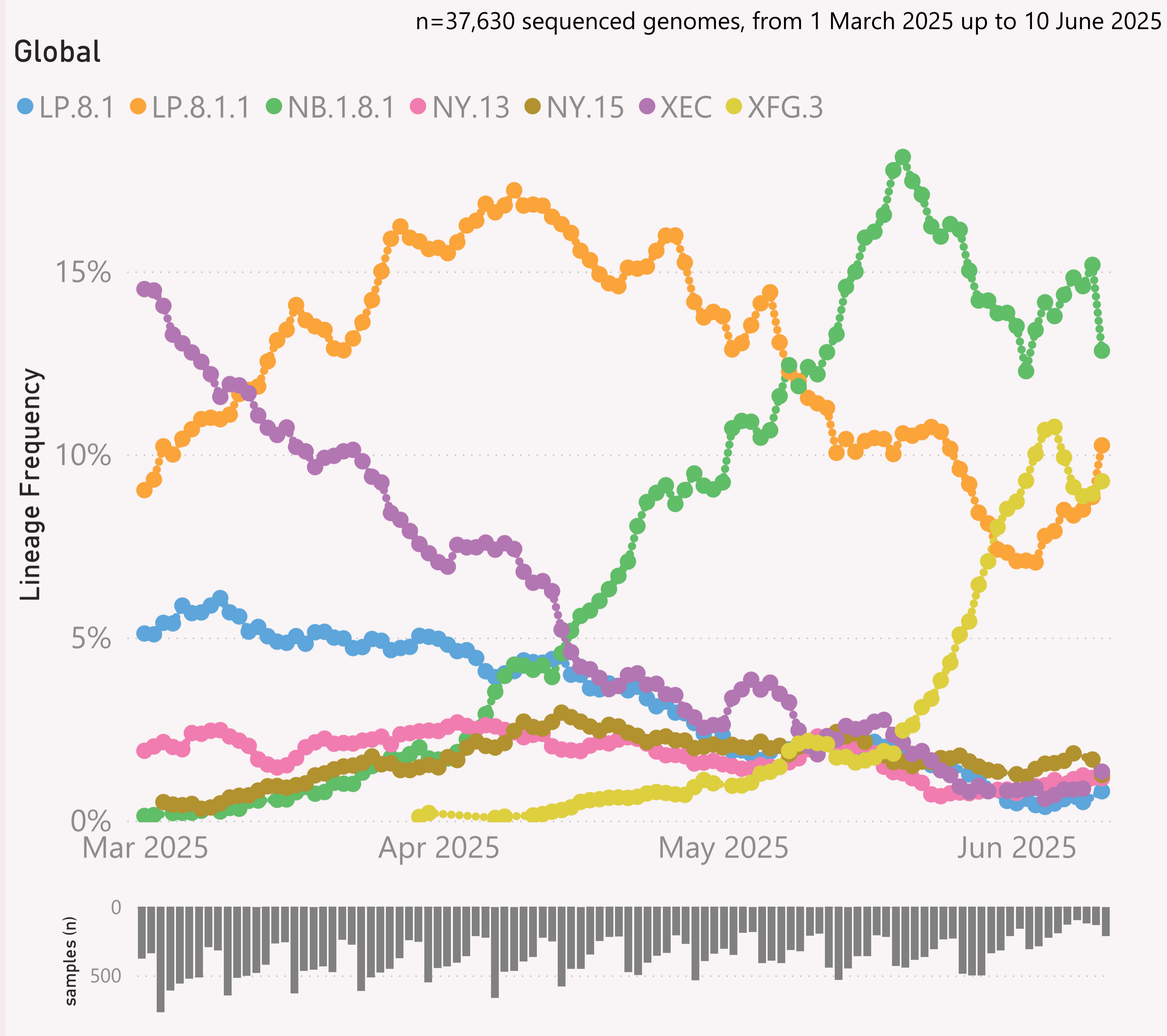
This page shows the frequency of the top 7 lineages, across recent months. The lineages are filtered for a "Lineage L2" group of interest, currently NB.1.8.1.* Nimbus.

The Lineage classifications are provided by Nextclade. The colour assignments are random.

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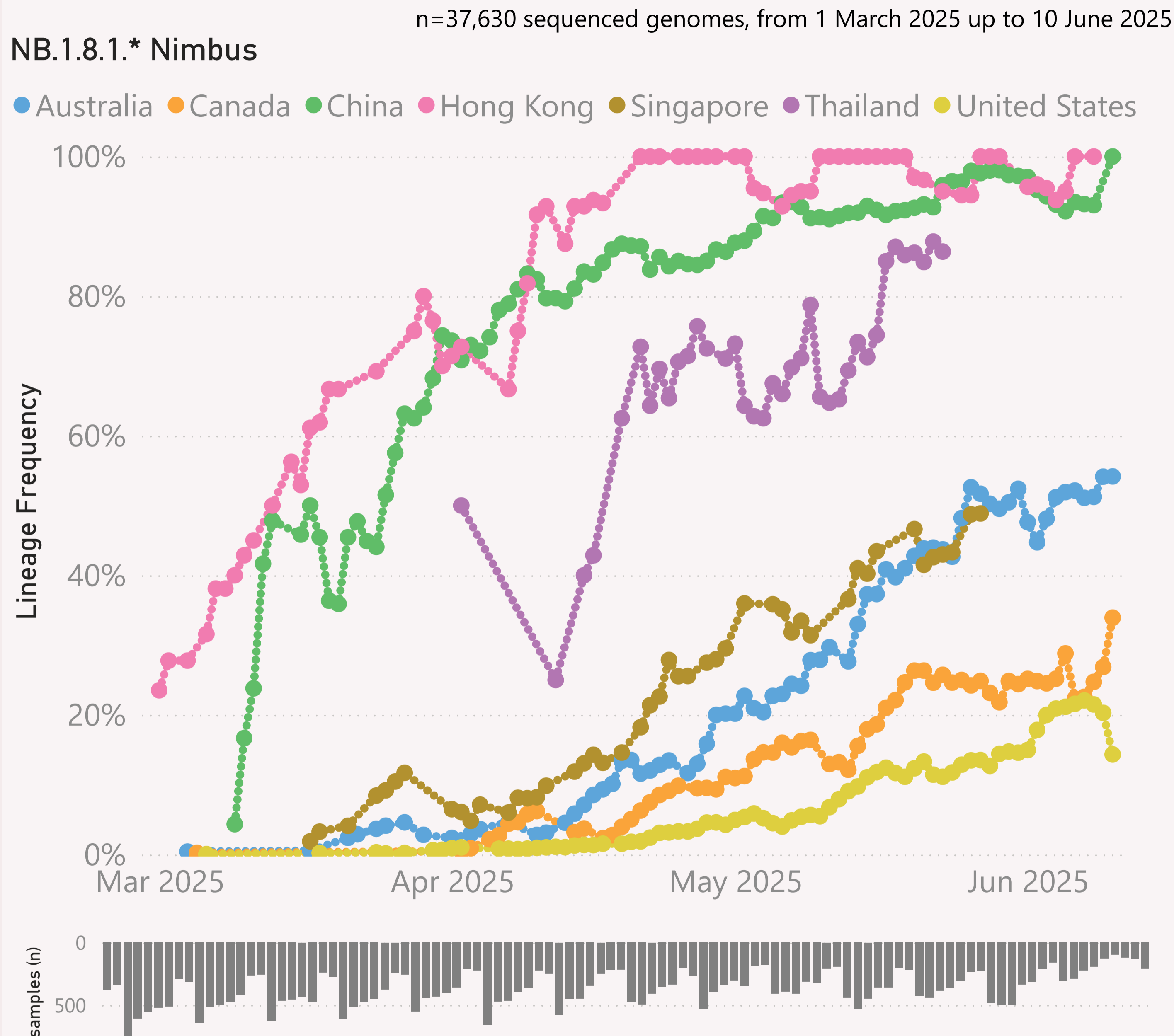
This page shows the frequency of the top 7 lineages, across recent months.

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This page shows the frequency of a selected "Lineage L2" group of interest, for the 7 countries reporting the most samples over recent months.

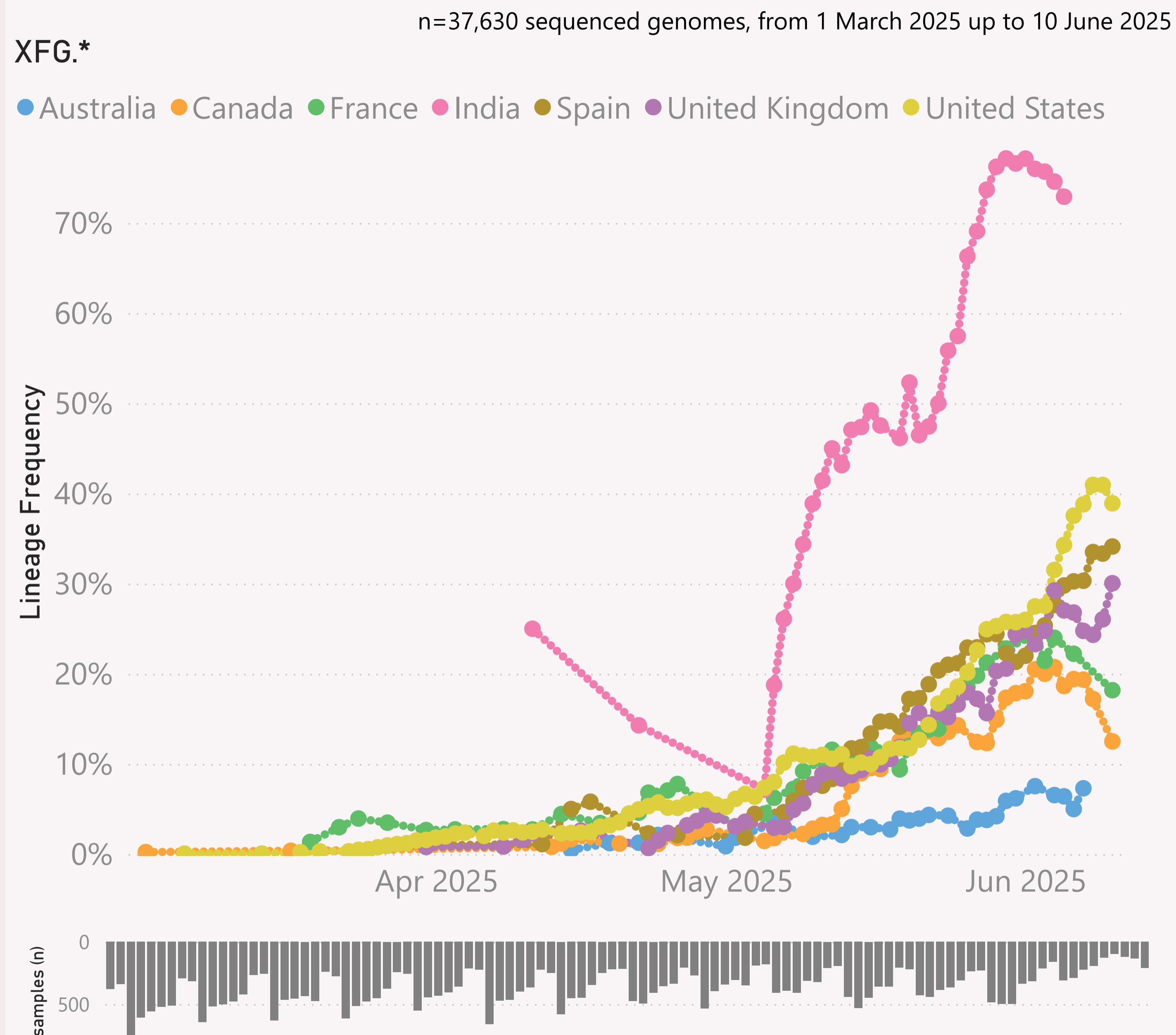
The detailed Lineage classifications are provided by Nextclade. I roll those up into "L2" groups, which roughly follow the WHO Variant definitions. For example, my "JN.1.* +FLiRT" group includes the descendants of JN.1.* with the mutations: F456L & R346T.

The detailed Lineage classifications are quite numerous and dynamic, so the "Lineage L2" groups give a simpler and more stable basis for analysis and comparison.

The frequency shown at each point is based on the 7-day rolling average across all lineages, for that country.

The grey column chart across the bottom shows the volume of sequences available by date. As there can be long sample and data processing times, it is quite routine for recent dates to show lower sample sizes.

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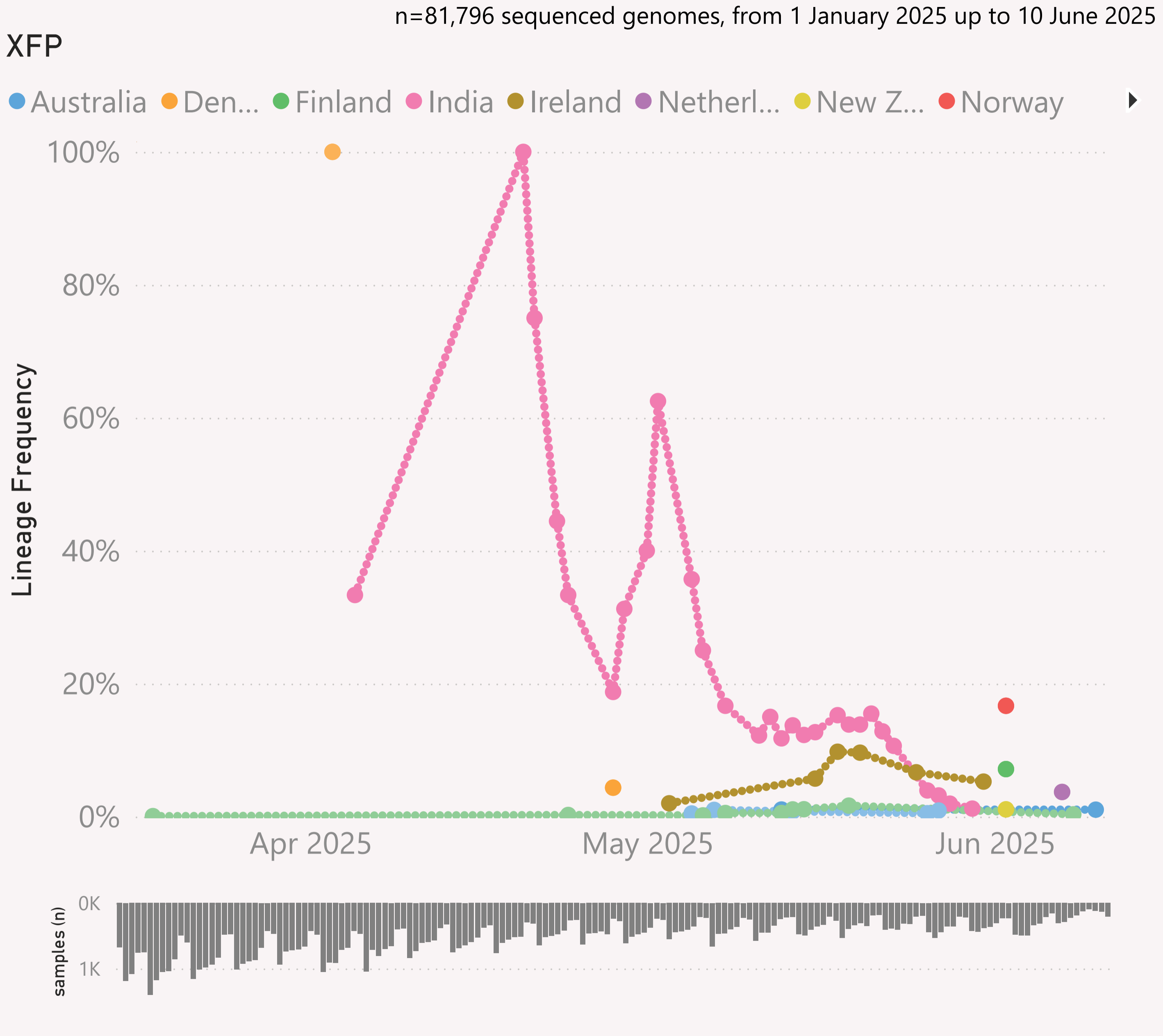
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Date

01/01/2025

31/12/2025

Host

Human

Continent, Country, Location

All

Lineage L2, Lineage (nextclade)

XFP.* (Lineage L2) + XFP (Lineage (nextclad...

Samples Sequenced (gisaid)

75

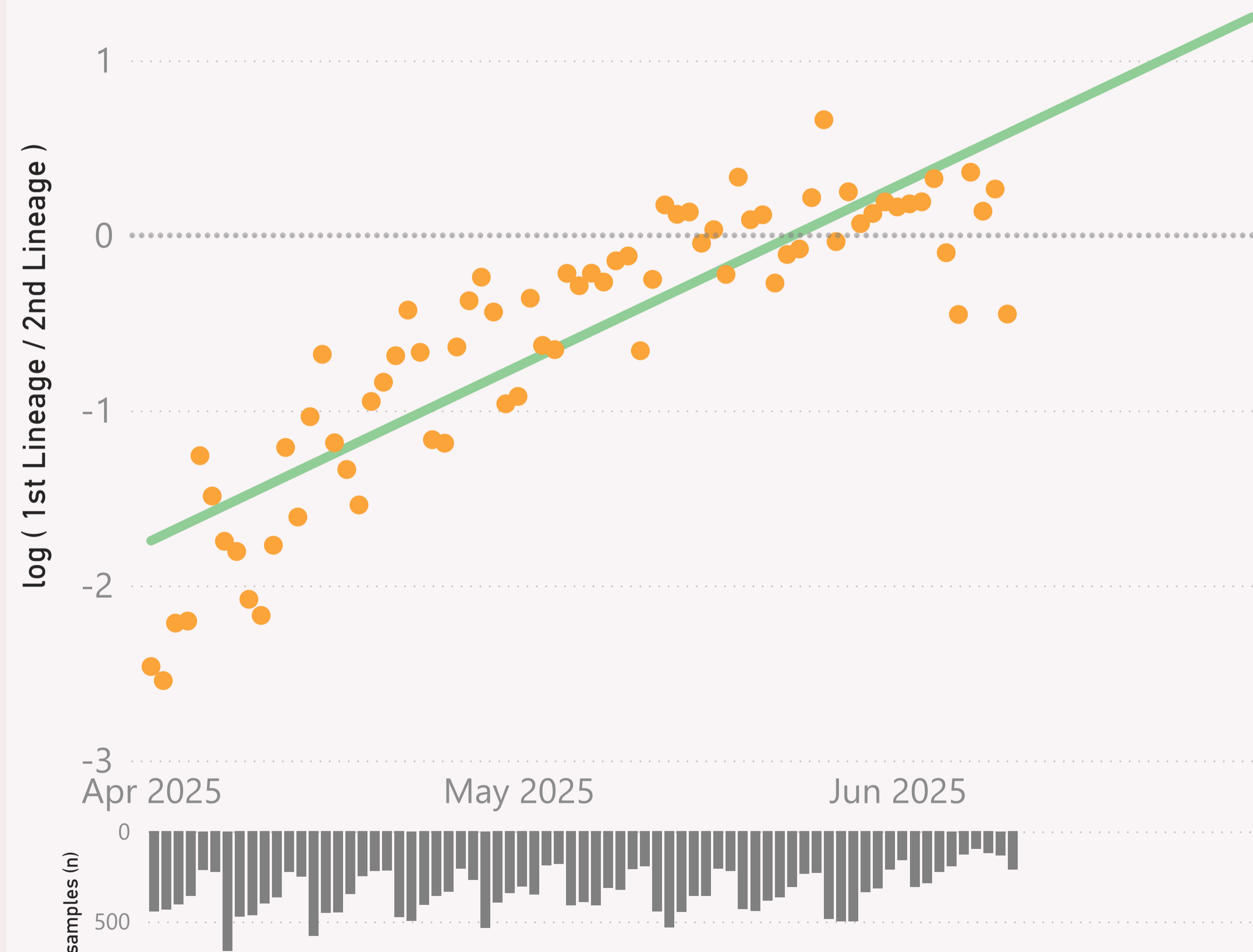
Country	Location	Addi...	Collection date	Lineage L2	Lineage (nextc
Australia	Western Austr...		10/06/2025	XFP.*	XFP
USA	International Tr...		08/06/2025	XFP.*	XFP
Netherlands	Gelderland		07/06/2025	XFP.*	XFP
Finland			02/06/2025	XFP.*	XFP
New Zealand	Southern		02/06/2025	XFP.*	XFP
Norway	Vestland		02/06/2025	XFP.*	XFP
Ireland	Dublin		31/05/2025	XFP.*	XFP
India	Maharashtra		30/05/2025	XFP.*	XFP
India	Madhya Pradesh		28/05/2025	XFP.*	XFP
India	Maharashtra	Othe...	28/05/2025	XFP.*	XFP
Singapore			27/05/2025	XFP.*	XFP
India	Andhra Pradesh		27/05/2025	XFP.*	XFP
Singapore			26/05/2025	XFP.*	XFP
India	Gujarat		26/05/2025	XFP.*	XFP
Ireland	Dublin		25/05/2025	XFP.*	XFP
India	Karnataka		23/05/2025	XFP.*	XFP
India	Gujarat		22/05/2025	XFP.*	XFP
India	Maharashtra	Othe...	21/05/2025	XFP.*	XFP
India	Tamil Nadu		21/05/2025	XFP.*	XFP
Ireland	Dublin		20/05/2025	XFP.*	XFP
India	Tamil Nadu		20/05/2025	XFP.*	XFP
USA	International Tr...		19/05/2025	XFP.*	XFP
Total					

n=23,755 sequenced genomes, from 1 April 2025 up to 10 June 2025

Global - NB.1.8.1.* Nimbus vs LP.8.1.*

● log (1st Lineage / 2nd Lineage) ● trend

growth of 3.3% per day, crossover on 24-May-25



This page compares the relative frequency of 2 selected "Lineage L2" groups, over recent months. A challenging Lineage L2 is selected first, and compared to the incumbent.

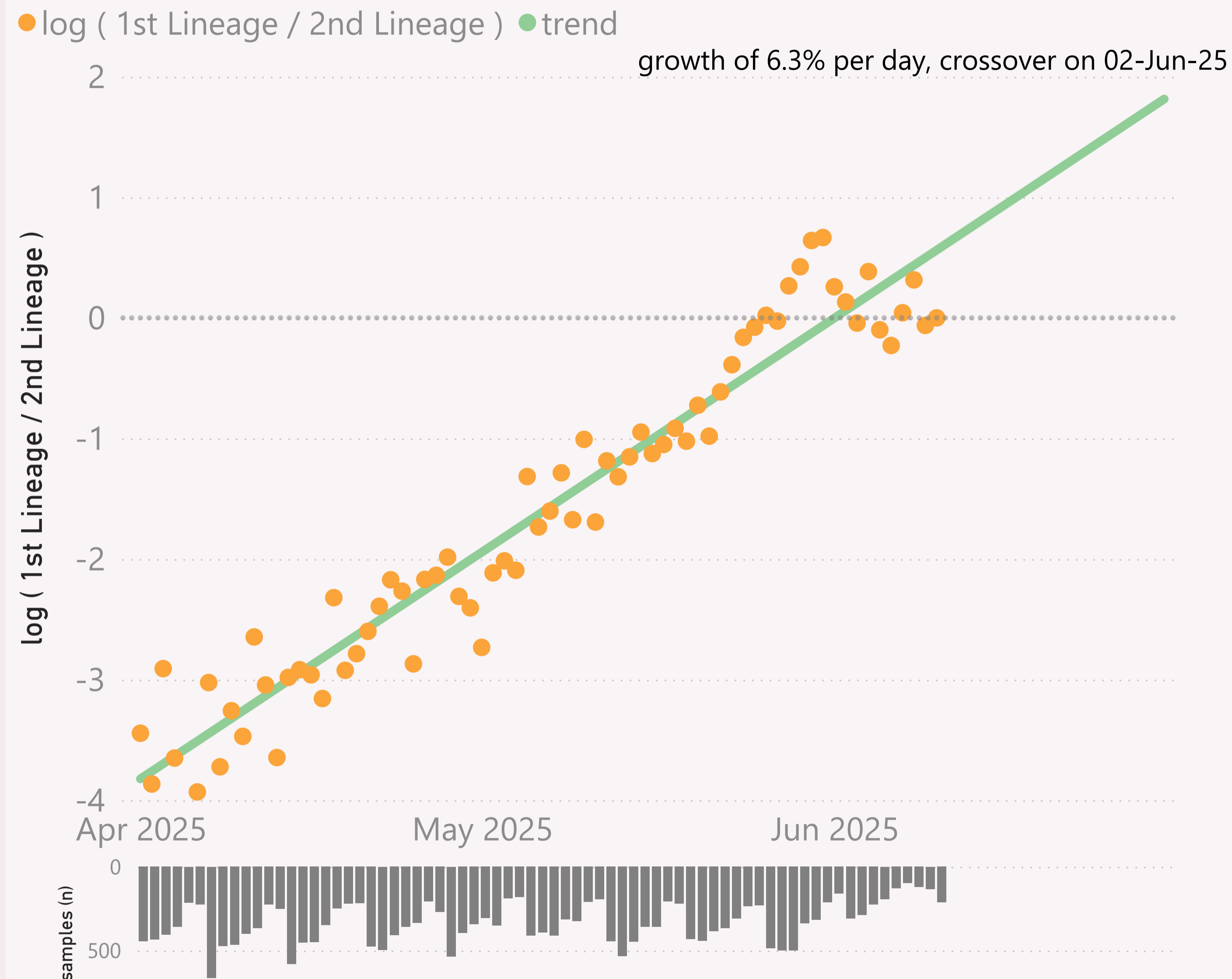
The trend is shown as a green line and expressed as a daily growth % advantage. If the green line crosses over the 0.0 line, the date when that occurred or is predicted to occur will be shown. At that point the challenging Lineage L2 is considered to have "crossed over" or taken over dominance from the incumbent Lineage L2.

The Lineage classifications are provided by Nextclade. I add the "Lineage L2" groups, typically following common variant groupings, but occasionally being "creative".

The grey column chart across the bottom shows the volume of sequences available by date. As there can be long sample and data processing times, it is quite routine for recent dates to show lower sample sizes.

n=23,755 sequenced genomes, from 1 April 2025 up to 10 June 2025

Global - XFG.* vs LP.8.1.*



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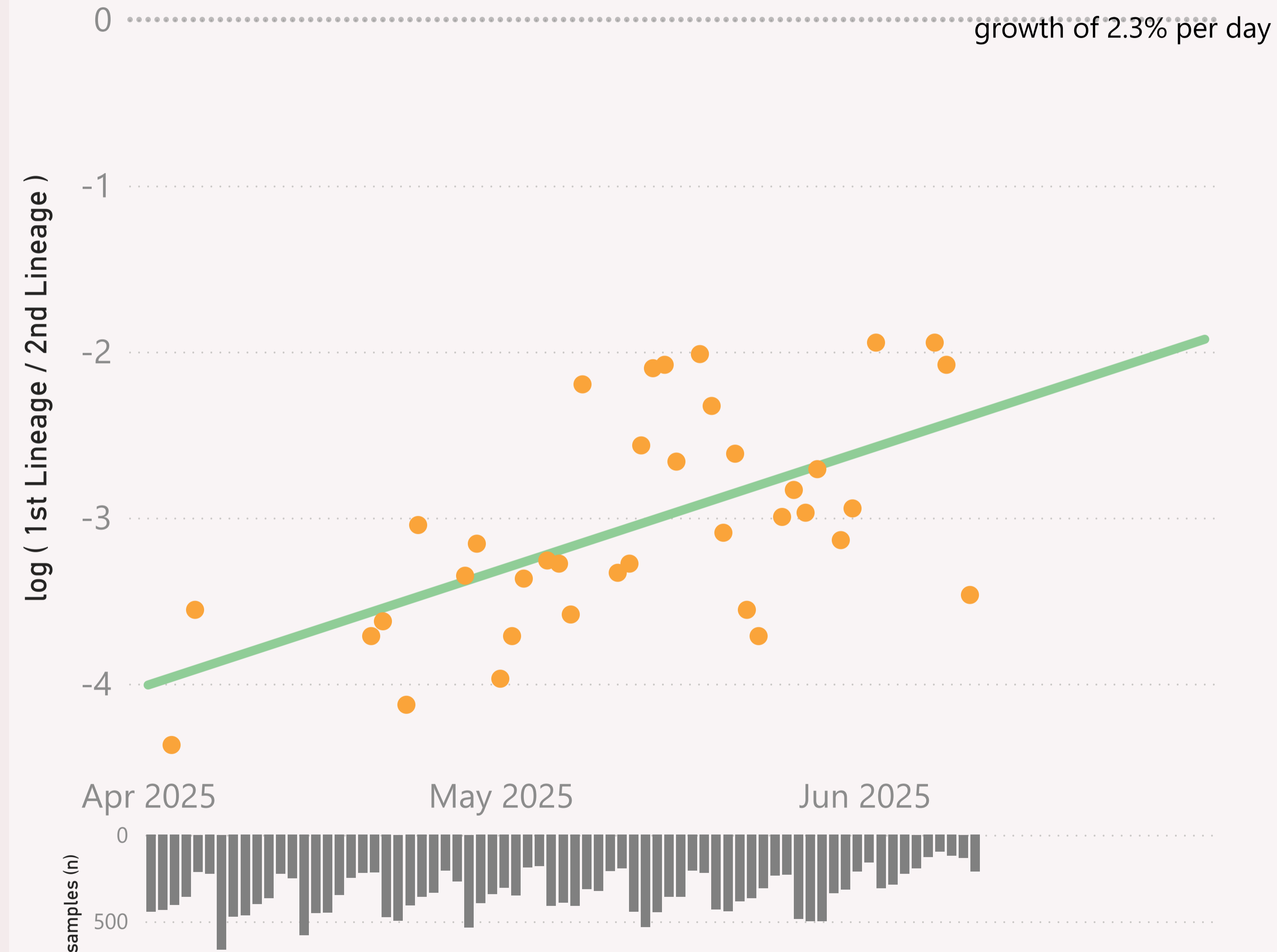
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Global - XFP vs LP.8.1.1

● $\log (1\text{st Lineage} / 2\text{nd Lineage})$ ● trend

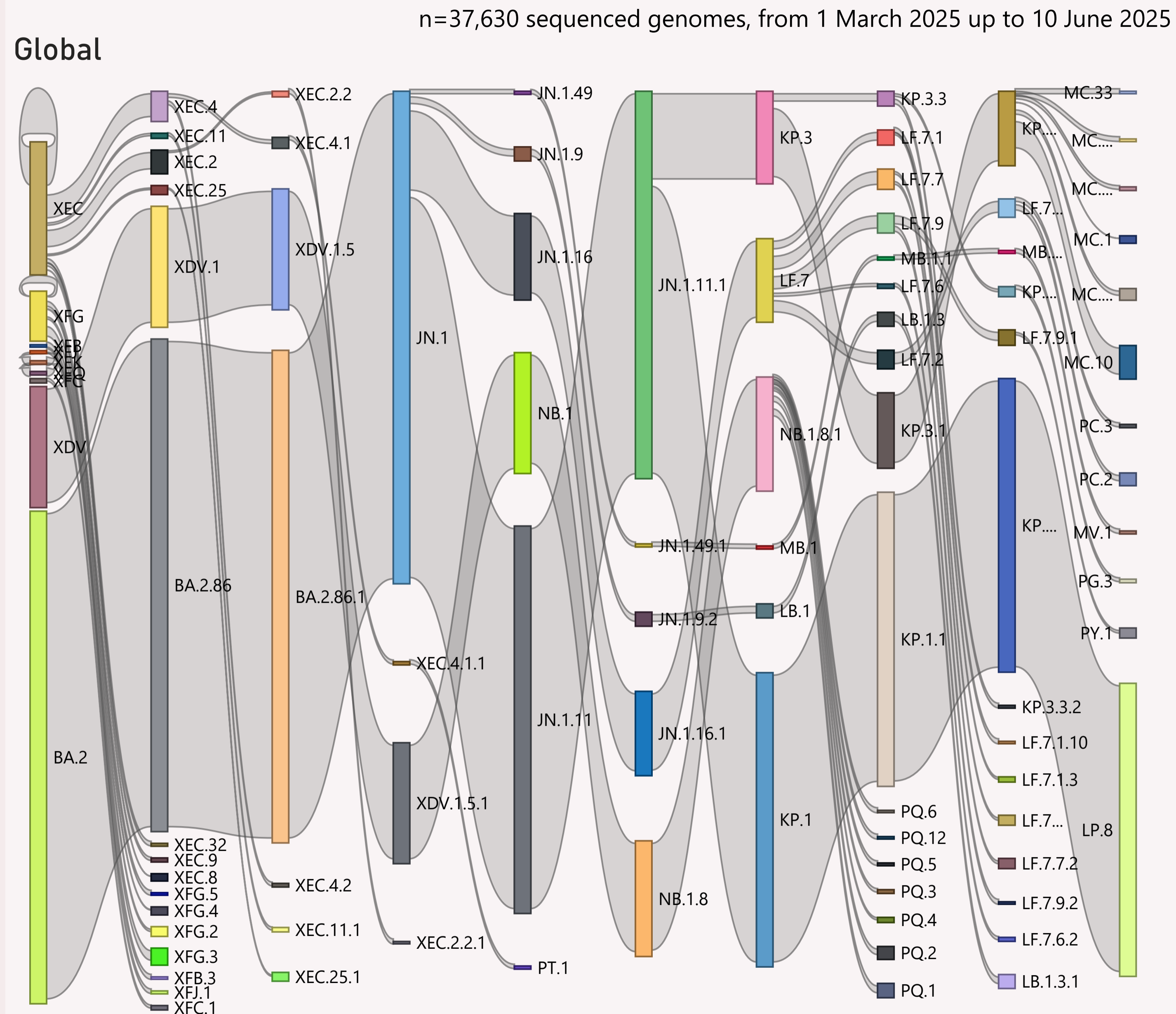


This page compares the relative frequency of 2 selected Lineages, over recent months. A challenging Lineage is selected first, and compared to the incumbent.

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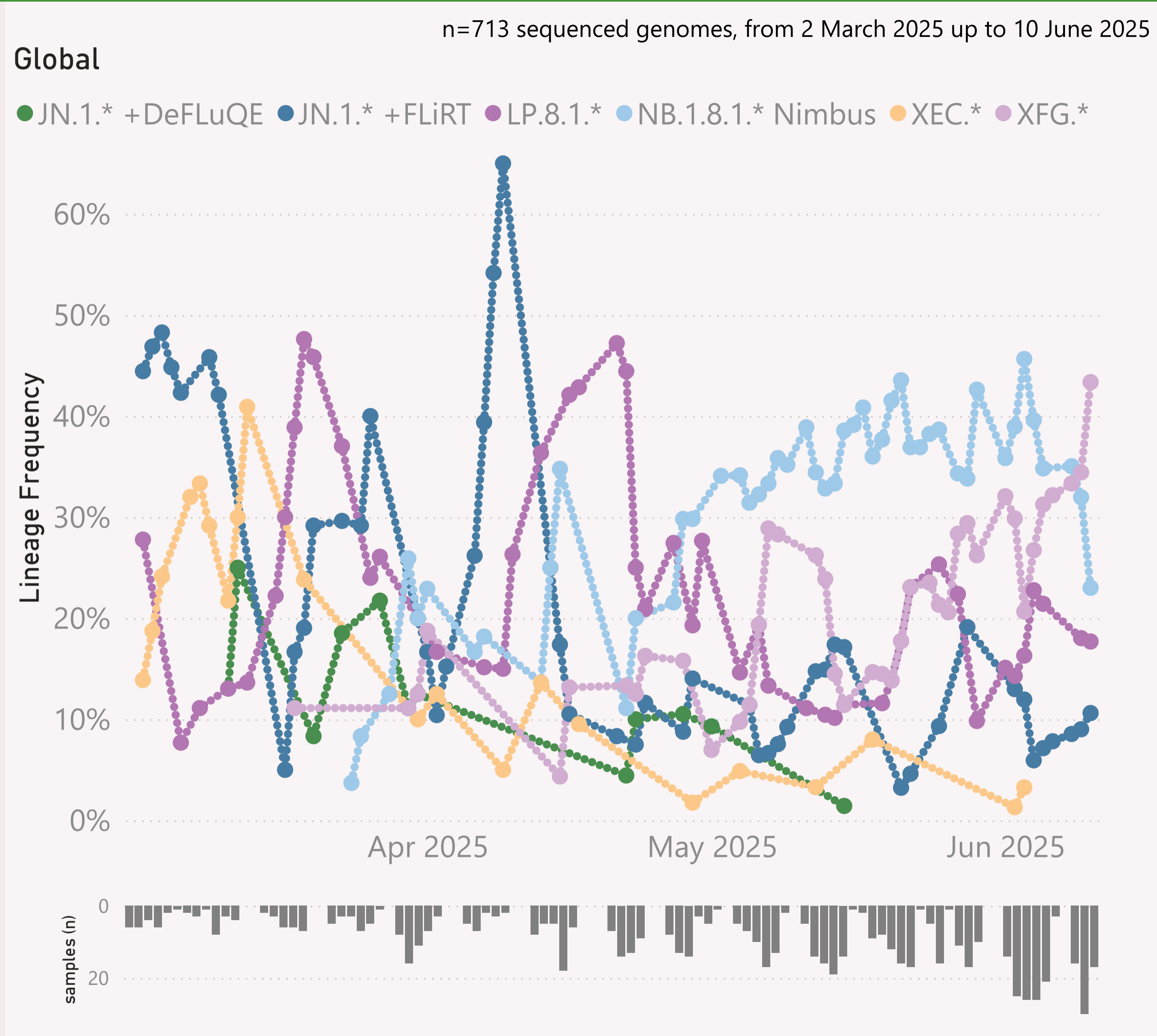
This page shows the hierarchy of the significant Lineages, over recent months.

The hierarchy can be read from left to right, starting with the earliest/highest Lineages being broken down into more detailed child Lineages.

The vertical height of each bar segment represents the relative volume of all the samples of that specific Lineage, as well as all it's descendants.

The full picture is typically quite busy, so insignificant Lineages (with few samples, or at the extreme top or bottom of the hierarchy) are not shown.

The Lineage classifications are provided by Nextclade.









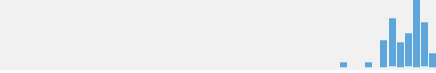

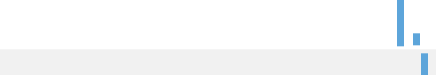



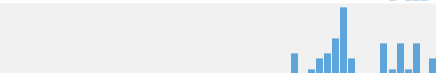
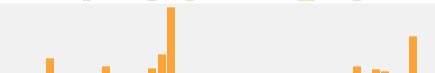




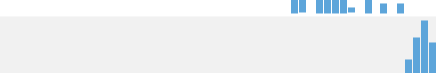



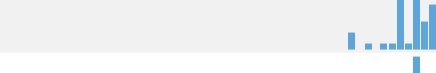

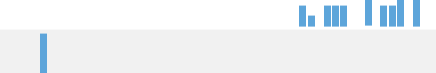





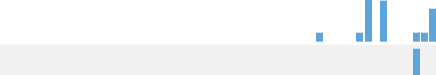
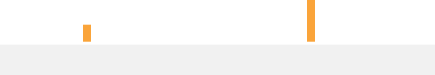


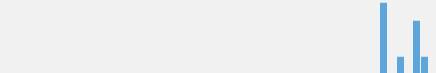
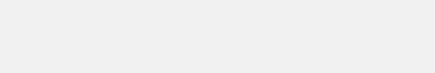


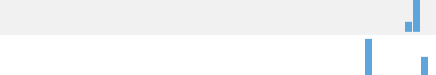
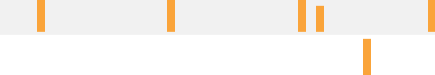
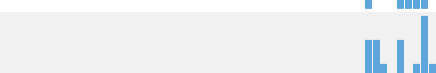



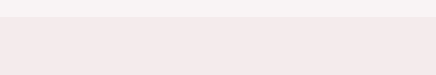
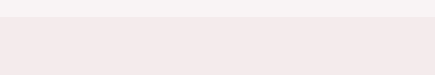
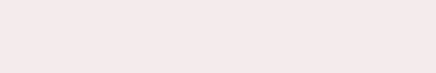
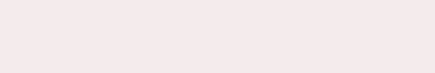


This page shows the frequency of the top 6 "L2" lineages, across recent months, for "International Traveller" samples.

This is probably a more randomised sample than the "Global" aggregate of all samples submitted to GISAID, as those are dominated by the US and Canada

These samples are mainly collected from arrivals into the US and Japan.

Data Submitted in the last 8 weeks

Country	# Samples Sequenced	Latest Collection date	by Collection date	Latest Submission date	by Submission date
<div>+ Canada</div>	25,284	10/06/2025		22/06/2025	
<div>+ United States</div>	9,403	10/06/2025		22/06/2025	
<div>+ China</div>	2,085	10/06/2025		22/06/2025	
<div>+ Spain</div>	1,583	10/06/2025		22/06/2025	
<div>+ United Kingdom</div>	1,518	10/06/2025		22/06/2025	
<div>+ Australia</div>	1,238	10/06/2025		22/06/2025	
<div>+ Singapore</div>	1,029	27/05/2025		02/06/2025	
<div>+ India</div>	807	05/06/2025		22/06/2025	
<div>+ France</div>	774	10/06/2025		18/06/2025	
<div>+ Japan</div>	744	10/06/2025		22/06/2025	
<div>+ Brazil</div>	688	04/06/2025		22/06/2025	
<div>+ Mexico</div>	549	19/05/2025		12/06/2025	
<div>+ Russia</div>	440	12/05/2025		21/06/2025	
<div>+ New Zealand</div>	430	10/06/2025		22/06/2025	
<div>+ South Korea</div>	419	04/06/2025		22/06/2025	
<div>+ Ireland</div>	349	10/06/2025		22/06/2025	
<div>+ Malaysia</div>	312	09/06/2025		20/06/2025	
<div>+ Kazakhstan</div>	303	28/05/2025		20/06/2025	
<div>+ Thailand</div>	281	23/05/2025		30/05/2025	
<div>+ Italy</div>	184	07/06/2025		22/06/2025	
<div>+ Norway</div>	184	10/06/2025		22/06/2025	
<div>+ Portugal</div>	177	03/06/2025		22/06/2025	
<div>+ Netherlands</div>	175	09/06/2025		22/06/2025	
<div>+ Luxembourg</div>	171	02/06/2025		19/06/2025	
<div>+ Germany</div>	168	10/06/2025		22/06/2025	
<div>+ Hong Kong</div>	154	08/06/2025		22/06/2025	
<div>+ Costa Rica</div>	134	05/06/2025		22/06/2025	
<div>+ Sweden</div>	133	10/06/2025		22/06/2025	
<div>- Total</div>	51,221	10/06/2025		22/06/2025	

This page shows the volume and currency/timeliness of the genomic sequencing data shared via GISAID, over the last 8 weeks, for the countries sharing the most samples.

Each sample shared comes with a Collection date - when the PCR test for that sample was collected. The GISAID system also records a Submission date for each sample, which is typically the date that sample was uploaded.

The latest date of each type is shown, along with "sparkline"-style mini charts to give a flavour for the spread of recent data by Collection date and by Submission date.